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INTERNATIONAL SEARCH REPORT

 International application No.:
 PCT/US99/21139
A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G02B 6/35

US CL : 385/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 385/18, 47, 17, 19

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

BRS: ((fiber\$1 or waveguide\$1) with switch\$3)) same (mirror\$1 or reflector\$1 or deflector\$1)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|----------------|--|---|
| X ---- Y | US 5,440,654 A (LAMBERT JR. et al.) 08 August 1995 (8.8.95), see entire document. | 1-2, 4, 7-8, 12 ----- 3, 5-6, 9-11, 13-20 |
| X ---- Y | US 4,365,863 A (BROUSSAUD) 28 December 1982 (28.12.82), see entire document. | 1-2, 4, 7-8 & 12 ----- 3, 5-6, 9-11 & 13-20 |
| Y | US 5,727,098 A (JACOBSON) 10 March 1998 (10.3.98), see entire document especially fig. 3 and col. 8 line 26 - col 9 line 15. | 18-20 |



Further documents are listed in the continuation of Box C.



See patent family annex.

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Date of the actual completion of the international search

17 APRIL 2000

Date of mailing of the international search report

16 MAY 2000

 Name and mailing address of the ISA/US
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 Box PCT
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Facsimile No. (703) 305-3230

Authorized officer

MICHAEL J. STAHL

Telephone No. (703) 308-0956